

5.8 RECREATION

This section identifies potential impacts on recreational land uses at Ames Research Center and its immediate surroundings from the Mitigated Alternative 5.

A. Impact Discussion

This section discusses the potential recreational impacts of Mitigated Alternative 5. Parkland calculations are shown in Table 5.8-1. For ease of comparison, the calculations for all alternatives are provided in the table.

1. Quantity of New and Existing Parkland

a. Mitigated Alternative 5

Mitigated Alternative 5 proposes the addition of approximately 6.4 hectares (15.7 acres) of new park space to the NRP area, as well as approximately 4.6 hectares (11.4 acres) of new active recreational space in the Bay View area and approximately 3.2 hectares (7.8 acres) in the Ames Campus area for a total of 14.1 hectares (34.9 acres).

Approximately 12 hectares (28 acres) of existing undeveloped land in the Bay View area would be developed, leaving a total of approximately 22.35 hectares (55.23 acres) of passive open space, which would function as wildlife habitat. No additional active parkland would be lost under this alternative.

Mitigated Alternative 5 would add new residents and employees, who would generate a total demand for 10.2 hectares (25.3 acres) of new parkland. Mitigated Alternative 5 would supply 14.1 hectares (34.9 acres) of new parkland for a surplus of 3.9 hectares (9.6 acres).

TABLE 5.8-1 **PARKLAND CALCULATIONS - MITIGATED ALTERNATIVE 5**

	Alternative					
	1	2	3	4	5	Mit. Alt.5
Proposed New Parkland hectares (acres)	0	9.3 (22.9)	4.7 (11.5)	7.6 (18.9)	14.1 (34.9)	14.1 (34.9)
New Residents	0	2,009	1,266	2,574	2,808	4,909
Demand Rate	1.2 hectares (3 acres) per 1,000 residents					
New Demand hectares (acres)	0	2.4 (6.0)	1.5 (3.8)	3.1 (7.7)	3.4 (8.4)	5.9 (14.7)
New Employees	0	13,068	11,047	15,599	7,222	7,088
Demand Rate	0.6 hectares (1.5 acres) per 1,000 employees					
New Demand hectares (acres)	0	7.8 (19.6)	6.7 (16.5)	9.4 (23.4)	4.3 (10.8)	4.3 (10.6)
Total New Demand hectares (acres)	0	10.2 (25.6)	8.2 (20.3)	12.5 (31.1)	7.7 (19.2)	10.2 (25.3)
Surplus or Deficit hectares (acres)	0	-0.9 (-2.7)	-3.5 (-8.8)	-4.9 (-12.2)	6.4 (15.7)	3.9 (9.6)

2. Quality of Existing and New Parks at Ames Research Center

There would be no negative effects on the quality of any existing or proposed parks or open spaces as a result of implementing Mitigated Alternative 5, except for temporary noise impacts due to construction.

3. Cumulative Impacts

The cumulative projects listed in Chapter 2 would bring new employees and residents to the region. These people would be able to use the many regional recreational facilities described in Section 3.12. Given the large supply of existing recreational sites, no cumulative impacts on recreation are expected. Moreover, the NADP would include a surplus of recreational lands, so it would not add to any cumulative impact that might occur, and could help mitigate these cumulative impacts as the parkland in NRP and Bay View would be open to the community.

